Estimated Torch Repair Cost & Downtime Survey (all brands)

Time Period	Estimated Cost One Torch	Estimated Cost Ten Torches	Down Time Per Torch
1 Year	\$63	\$630	13 Days
2 Years	\$126	\$1,260	26 Days
3 Years	\$189	\$1,890	39 Days
5 Years	\$315	\$3,150	65 Days
10 Years	\$630	\$6,300	130 Days

Survey is based on an average of eight US Distributors and four National Apparatus Repair Centers (2002)

Smith Dual Guard Torches:



Safety Engineered

◆ Least Renairs

◆ Most Economical To Operate

◆ Less Downtime

SMITH EQUIPMENT: FIRST IN THE WELDING INDUSTRY TO OBTAIN AN ISO 9001 QUALITY REGISTERED MANUFACTURING SYSTEM

Long Lasting Cutting Tips



Easiest To Use, Most Efficient And Longest Lasting You Can Buy!

Feature Benefits:

- ♦ In-Tip Mix Design Provides Added Resistance To Flashbacks
- ◆ Hand Tighten Tips No Wrench Needed!
- ◆ Convenient Slip-In Design Saves Time And Money
- ◆ Soft Graf-Tite® Seats Resist Damage For Positive Seating
- ◆ Fully Swaged Tip Minimizes Gas Turbulence For Smooth Cuts
- ◆ Removable High Pressure Seat Nut For Cleaning
- ♦ Wide Variety Of Tips To Match Any Fuel Gas Or Any Job

DUAL GUARD COMBINATION TORCHES



has been manufacturing top quality oxy-fuel cutting, welding and heating equipment since 1917. Smith products are safety engineered and 100% tested. A lifetime of top performance is engineered into every Smith torch: we avarantee it! Smith Equipment has built its reputation by developing high-quality tools for professional cutters and welders. The company's engineering focus is the basis for equipment that helps improve safety and reliability, as well as on-the-iob performance.



Revolutionary Design

features three tube construction, in-tip mixing along with the exclusive

Dual Guard Flash Arrestina

System which substantially reduces the potential for dangerous flashback fires.



FORM #5077 3/04

Proudly Made In The USA

Lonaest & Stronaest Warranty In The Industry

We will repair or replace any Lifetime Torch for as long as you own it

FREE. Contact Smith Equipment for warranty details.

Be Sure To Check Out **Our Comprehensive** Safety Video! (VHS or CD Format Available)

"Oxy-Fuel Equipment Safety & Operations"

This 40-minute video discusses all aspects of oxy-fuel cutting. welding, brazing and heating safety. To order, contact Smith's Customer Service or visit our website.

1-800-843-7912 • FAX 1-800-685-3370 • smithequipment.com



In The

Dual Guard Outfits

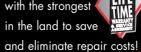
Cutting, Welding & Heating



Exclusive Built-In Torch Head Flash Arresting Module

Revolutionary design; features the exclusive Dual Guard System which includes a flashback arrestor built into the torch head with our mix design. proven in-tip gas and backed American made with the strongest warranty

in the land to save you downtime



SMF Dual Guard Outfits cutting, Welding & Heating

DUAL GUARD COMBINATION TORCH OUTFITS

HEAVY DUTY

CUTS UP TO 8" - WELDS UP TO 1" These premium heavy duty outfits are designed and built to provide long service and handle the toughest jobs. Outfits feature Smith's revolutionary Dual Guard system which combines a flashback arrestor built into the torch head with our proven in-tip gas mixing technology. This combination greatly mproves operator safety and increases torch life. Dual Guard torches are covered by Smith's "Lifetime" warranty, the longest and strongest in the industry. The outfits feature rugged, highly accurate brass regulators with polished brass gauges for corrosion resistance. Outfits are

> All outfits include 3 cutting tips, welding tip, heating tip, tip cleaner and replacement lighter flints.

Outfits available with, or without accessories. (Hose, goggles and lighter.)

CUTS UP TO 6" - WELDS UP TO 7/9"

complete with safety and operations manual.

MEDIUM DUTY

HD-H510A

MD-510A

These premium outfits feature quality construction throughout and are built to provide reliability and extended service. Outfits feature Smith's revolutionary Dual Guard system which combines a flashback arrestor built into the torch head with our proven in-tip ags mixing technology. This combination greatly improves operator safety and increases torch life. Dual Guard torches are covered by

The outfits feature rugged, highly accurate brass regulators with polished brass gauges for corrosion resistance. Outfits are complete with safety

All outfits include 2 cutting tips, welding tip and heating tip.

Outfits available with, or without accessories. (Hose, goggles and lighter.)

Check out our products at www.smitheauipment.com

REPLACEABLE CHECK VALVE FILTERS Keen debris from reaching flash arrestor or high pressure seat. (Heavy Duty model) REVERSE FLOW CHECK VALVES TRIPLE "O" RING SEAL Replaceable if damaged (Heavy Duty model) For positive gas segting STAINLESS STEEL BALL-STYLE VALVES FASE-ON OXYGEN CUTTING VAIVE allowing rotation during operation

DG209 - HEAVY DUTY COMBINATION TORCH • DG109 - MEDIUM DUTY COMBINATION TORCH (SEE BACK PAGE FOR MORE DETAILS)

DUAL GUARD HAND CUTTING TORCH OUTFITS

HEAVY DUTY



For smooth adjustment and positive seating.

CUTS UP TO 24"

eliminating hose resistance during cutting.

Dual Guard hand cutting torch outfits are built for the toughest jobs. They feature the DG929 cutting torch with a built-in head flashback arrestor, reversible cutting lever and an ease-on oxygen design for smooth starts and restarts. The torch is also designed with a heavy wall manganese bronze head for durability and resistance to heat warping. All Dual Guard torches are covered by Smith's "Lifetime" warranty. Outfits are available with premium heavy or medium duty regulators. Complete with safety and operations manual.

Allows smooth piercing

and kev-hole free starts and restarts.

MANGANESE DIIAI GIIARD SYSTEM BRONZE HEAD Super tough thick wall manaanese bronze head reduces heat warping and damage. (Medium Duty Brass Head)

Exclusive built-in torch head flash arrestor and in-tip gas mixing for increased operator safety and torch life. Also reduces weight and bulk produced by add-on flash arrestors

The Dual Guard System requires no added flash arrestors and is covered with our exclusive ifetime Warranty & Service Agreemen

SLIP-IN CUTTING TIPS

Saves time when changing tips - no wrench needed. Resilient Graf-Tite™ seat material protects tip from nicking and maintains positive seating. Requires less replacement than metal-to-metal seat designs.

FLASH ARRESTING MODULE

REGULATOR FEATURES & BENEFITS

THREE TUBE CONSTRUCTION

Keeps gases separated, eliminating mixing tube burnout.

Smith's thick wall, high capacity stainless steel tubes

provide high gas flow and superior strength.

NICKEL-PLATED SURFACE

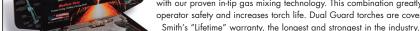
Corrosion-resistant finish

reflects residual heat

DUAL

HIGH PRESSURE SEAT

RUGGED BRASS BONNET & BODY Are corrosion resistant and provide maximum EXTRA-SENSITIVE DIAPHRAGM durability for extended service life Durable neoprene rubber resists deterioration POLISHED BRASS GALIGES and provides accurate pressure adjustment. Resist corrosion. Include shatter resistant polycarbonate lenses. DIIAI FIITERS Self-cleaning Teflon® high pressure seat Protect high pressure seat is extremely durable and allows for positive seating. against debris for positive seating



and operations manual.

1.800-843-7912 • FAX 1.800-685-3370